United States Patent [19] [11] Patent Number: Chenoweth [54] NASAL INTUBATION ADJUNCT [75] Inventor: David Chenoweth, Lakewood, Colo. [73] Assignee: Medical Devices, Inc., Lakewood, Colo. [21] Appl. No.: 442,998 [22] Filed: Nov. 28, 1989 Related U.S. Application Data Optical. Continuation of Ser. No. 265,213, Oct. 31, 1988, aban-[63] doned. [51] U.S. Cl. 128/207.14; 128/207.16; 128/207.18; 128/200.26 [58] Field of Search 128/10, 11, 200.26, 128/207.14, 207.15, 207.16, 207.18 References Cited [56] U.S. PATENT DOCUMENTS 2,463,149 3/1949 Caine 128/200.26 Caine 128/200.26 2,541,402 2/1951 3,314,431 4/1967 Smith, Jr. 128/200.26 3,730,179 5/1973 Williams 128/207.18 Felbarg 128/200.26 3,754,554 8/1973 3,802,440 4/1974 Salem et al. 128/200.26 Mazal 128/207.16 3,815,606 6/1974

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ABSTRACT

Disclosed is a hand-held medical device that attaches a wide range of nasally placed airway tubes to afford better control of said airway tubes, manipulation of said airway tubes by rotation and curvature the latter of which is provided by a soft, flexible manipulator containing a spring which is attached at its distal end by a braided wire the pulling of which will cause flexion of the manipulator and said airway tube that surrounds it. The device additionally allows for patient inspiration and expiration to pass unrestricted through the body of the device deflecting one-way valves positioned in clear tubes on the sides of the device allowing for visual confirmation of proper final placement of said airway tube. A stethoscope headset attached to the device provides an audible reference for guiding said airway tube and affords an additional reference to confirm proper final placement of said airway tube.

13 Claims, 4 Drawing Sheets

